Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A method of preparing Use of γ glutamyl-peptide in the preparation of a medicament or nutritional formulation for humans or animals for the treatment, testing for or prophylaxis of a disease or condition which is characterized by increased bone resorption, the method comprising adding γ -glutamyl-peptide to the medicament or nutritional formulation.
- 2. (Currently Amended) A method of treating a human or animal having a disease or condition that is characterized by increased bone resorption, the method comprising Method of administering to a human or animal who can benefit from a medicament or nutritional formulation comprising an effective amount of γ-glutamyl-peptide.
- 3. (Currently Amended) The method as-elaimed in of claim 2 wherein the human or animal is in need of γ -glutamyl-peptide.
- 4. (Currently Amended) The method as elaimed in of claim 2 wherein bone resorption is inhibited.
- 5. (Currently Amended) <u>A method Method</u> of treating, testing for or preventing a disease or condition which is characterized by increased bone resorption, the method comprising administering to a human or animal in need thereof an effective amount of γ-glutamyl-peptide.
- 6. (Currently Amended) Use of A method of γ -glutamyl-peptide in the dietary management of increased bone resorption, the method comprising adding γ -glutamyl-peptide to the diet of a human or animal.

- 7. (Currently Amended) The method of claim 6 wherein the γ -glutamyl-petide γ -glutamyl-petide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, or γ -glutamy-alkenyl-cysteine sulfoxide, or and any combination thereof.
- 8. (Currently Amended) The use method of claim 1 wherein the γ -glutamyl-alkenyl-cysteine sulfoxide is γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide.
- 9. (Currently Amended) The use method of claim 1 wherein the disease or condition which is characterized by increased bone resorption, is Paget's disease, tumor-induced bone disease or osteoporosis or any combination thereof.
- 10. (Original) A nutritional composition comprising γ-glutamyl-peptide and a nutritionally acceptable carrier.
- 11. (Currently Amended) The nutritional composition of claim 10 wherein the γ -glutamyl-petide γ -glutamyl-petide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, or γ -glutamy-alkenyl-cysteine sulfoxide, or and a combination thereof.
- 12. (Original) The nutritional composition of claim 11 wherein the γ -glutamyl-alkenyl-cysteine sulfoxide is γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide.
 - 13. (Previously Presented) The nutritional composition of claim 10 further comprising
- (a) a calcium source,
- (b) at least one energy source selected from the group consisting of carbohydrate, fat and nitrogen sources, and optionally
- (c) Vitamin D.
- 14. (Original) The nutritional composition of claim 13, wherein the calcium source (a) is an organic calcium salt.

- 15. (Currently Amended) The nutritional composition of claim 13, wherein the carbohydrate source of component (b) is selected from the group consisting of maltodextrins, starch, lactose, glucose, sucrose, fructose, <u>xylit xylitol</u>, <u>sorbit sorbitol</u>, and mixtures thereof.
- 16. (Previously Presented) The nutritional composition of claim 13, wherein the fat source of component (b) is selected from the group consisting of omega-6 polyunsaturated fatty acid sources, omega-3 polyunsaturated fatty acid sources, mono-unsaturated fatty acid sources, C₆-C₁₂- fatty acid sources, and mixtures thereof.
- 17. (Previously Presented) The nutritional composition of claim 13, wherein the nitrogen source of component (b) is selected from the group consisting of soy bean derived proteins; milk proteins, protein hydrolysates, a mixture of essential amino acids and arginine, and mixtures thereof.
- 18. (Previously Presented) The nutritional composition of claim 13, wherein the carbohydrate source provides for 30 to 70 %, the nitrogen source for 5 to 40 %, and the fat source for 0.01 to 5 % of the total energy supply of the composition.
- 19. (Previously Presented) The nutritional composition of claim 13 comprising from 3 to 25 % by weight of component (a), from 5 to 50 % by weight of component (b) and from 1 to 95 % by weight of component (c), based on the total weight of the nutritional composition.
- 20. (Previously Presented) The nutritional composition of claim 10 further comprising 0.2 to 10 % by weight of other nutritionally acceptable components chosen from vitamins, minerals, trace elements, fibers, flavors, preservatives, colorants, sweeteners and emulsifiers.
- 21. (Previously Presented) The nutritional composition of claim 10 in the form of a dietary supplement providing from 50 to 1500 kcal/day, or in the form of an animal feed supplement.
 - 22. (Previously Presented) The nutritional composition of claim 10 in liquid form.

- 23. (Previously Presented) The nutritional composition of claim 10 in granulate or powder form.
- 24. (Original) A pharmaceutical composition in single unit dose form, comprising γ -glutamyl-peptide and a pharmaceutically acceptable carrier.
- 25. (Currently Amended) The pharmaceutical composition of claim 24 wherein the $\underline{\gamma}$ -glutamyl-peptide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, or γ -glutamyl-alkenyl-cysteine sulfoxide, or and a combination thereof.
- 26. (Original) The pharmaceutical composition of claim 25 wherein the γ -glutamylalkenyl-cysteine sulfoxide is γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide.
- 27. (Previously Presented) The pharmaceutical composition of claim 24 for enteral administration in the form of a dragée, tablet, capsule, sachet or suppository.
- 28. (Previously Presented) The pharmaceutical composition of claim 24 in the form of a veterinary composition.
- 29. (Currently Amended) A γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide obtained by fractionation of an hydrophilic, ethanolic extract of Allium, which fractionation comprises
- (a) obtaining an hydrophilic, ethanolic extract of Allium cepa, hereinafter referred to as fraction A, by using adsorption column chromatography,
- (b) separating saccharides from fraction A by using reversed-phase medium pressure liquid chromatography (RP-MPLC) to obtain fraction A1
- (c) further separating saccharides from fraction A1 by NP-MPLC using chloroform methanol water 6.4:5:1 as mobile phase, to obtain fraction A1-4,

- (d) further fractionation by semi-preparative reversed-phase HPLC (SP-RP-HPLC) using as solvent an isocratic water/acetonitrile system buffered with e.g. 0.00625% formic acid to obtain fraction A1-4C.
- 30. (Original) The γ-L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide of claim 29 wherein said Allium comprises Allium cepa, Allium ascalonicum, Allium ampeloprasum, Allium porrum, Allium schoenoprasum, Allium ursinum, Allium sativum or Allium fistulosum.
- 31. (Currently Amended) The γ-L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide of claim 30 wherein said allium comprises Allium ascalonicum, Allium porrum, Allium cepa, Allium ursinum.
- 32. (Original) The γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide of claim 31 wherein said allium comprises allium cepa.
- 33. (Original) Process for producing a veterinary composition for the treatment or prophylaxis of a disease or condition in animal which is characterized by increased bone resorption or for the management of increased bone resorption in animal comprising homogenizing a mixture of one or more carriers that are physiologically acceptable to animals and an effective amount of a γ -glutamyl-peptide.
- 34. (Currently Amended) The process of claim 30 wherein the γ -glutamyl-peptide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, or γ -glutamy-alkenyl-cysteine sulfoxide, or and a combination thereof.
- 35. (Original) The process of claim 34 wherein the γ-glutamyl-alkenyl-cysteine sulfoxide is γ-L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide.
- 36. (Currently Amended) The use as claimed in claim I wherein γ-glutamyl-peptide inhibits dose-dependently the resorption activity of osteoclasts.

- 37. (Previously Presented) The use as claimed in claim 1 wherein the minimal effective dose is about 2 mM.
- 38. (Currently Amended) The nutritional composition as claimed in claim 10 wherein γ-glutamyl-peptide inhibits dose-dependently the resorption activity of osteoclasts.
- 39. (Previously Presented) The nutritional composition as claimed in claim 10 wherein the minimal effective dose is about 2 mM.
- 40. (Previously Presented) The nutritional composition as claimed in claim 10 wherein the dose is at least 2 mM.
- 41. (Currently Amended) The use of claim 1 wherein the γ -glutamyl-peptide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, of γ -glutamyl-alkyl-cysteine sulfoxide, of and any combination thereof.
- 42. (Currently Amended) The method of claim 2 wherein the γ -glutamyl-peptide is selected from the group consisting of γ -glutamyl-alkyl-cysteine sulfoxide, or γ -glutamyl-alkenyl-cysteine sulfoxide, or and any combination thereof.
- 43. (Currently Amended) The method of claim $2 \underline{42}$ wherein the γ -glutamyl-alkenyl-cysteine sulfoxide is γ -L-glutamyl-trans-S-1-propenyl-L-cysteine sulfoxide.
- 44. (Previously Presented) The method of claim 5 wherein the disease or condition which is characterized by increased bone resorption, is Paget's disease, tumor-induced bone disease or osteoporosis or any combination thereof.
- 45. (Currently Amended) The nutritional or pharmaceutical composition as elaimed in of claim 24 wherein γ-glutamyl-peptide inhibits dose-dependently the resorption activity of osteoclasts.

- 46. (Currently Amended) The nutritional or pharmaceutical composition as claimed in of claim 24 wherein the minimal effective dose is about 2 mM.
- 47. (Currently Amended) The nutritional or pharmaceutical composition as claimed in of claim 24 wherein the dose is at least 2 mM.